

Amendment to Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A wireless terminal comprising a ground conductor housing having predetermined dimensions and a transceiver housed by said ground conductor housing and coupled to an antenna feed, wherein the antenna feed is coupled to the ground conductor housing in a predetermined manner such that a change in said predetermined dimensions of said ground conductor housing results in a change in the bandwidth of said wireless terminal.
2. (Currently Amended) A terminal as claimed in claim 1, characterised in that wherein the antenna feed is coupled to the ground conductor housing via a capacitor.
3. (Currently Amended) A terminal as claimed in claim 2, characterised in that wherein the capacitor is a parallel plate capacitor formed by a conducting plate and a portion of the ground conductor housing.
4. (Currently Amended) A terminal as claimed in claim 1, characterised in that wherein the antenna feed is coupled to the ground conductor housing by capacitance between an inductive element and the ground conductor housing.

5. (Currently Amended) A terminal as claimed in claim 1, ~~characterised in~~ ~~that wherein~~ a slot is provided in the ground conductor housing.

6. (Currently Amended) A terminal as claimed in claim 5, ~~characterised in~~ ~~that wherein~~ the slot is parallel to the major axis of the terminal.

7. (Currently Amended) A terminal as claimed in claim 1, ~~characterised in~~ ~~that wherein~~ the ground conductor housing is a handset case.

8. (Currently Amended) A terminal as claimed in claim 1, ~~characterised in~~ ~~that wherein~~ the ground conductor housing is a printed circuit board ground plane.

9. (Currently Amended) A terminal as claimed in claim 1, ~~characterised in~~ ~~that wherein~~ a matching network is provided between the transceiver and the antenna feed.

10. (New) A method for changing the bandwidth of a wireless terminal, said method comprising the steps of:

providing said wireless terminal with a ground conductor housing having predetermined dimensions and housing a transceiver coupled to an antenna feed; coupling the antenna feed to the ground conductor housing; and

changing said predetermined dimensions of said ground conductor housing for changing the bandwidth of said wireless terminal.

11. (New) The method as claimed in claim 10, wherein the step of coupling the antenna feed comprises the step of coupling the antenna feed to the ground conductor housing via a capacitor.

12. (New) The method as claimed in claim 11, wherein the capacitor is a parallel plate capacitor formed by a conducting plate and a portion of the ground conductor housing.

13. (New) The method as claimed in claim 10, wherein the step of coupling the antenna feed comprises the step of coupling the antenna feed to the ground conductor housing by capacitance between an inductive element and the ground conductor housing.

14. (New) The method as claimed in claim 10, further comprising the step of providing a slot is provided in the ground conductor housing.

15. (New) The method as claimed in claim 14, wherein the slot is parallel to the major axis of the terminal.

16. (New) The method as claimed in claim 10, wherein the ground conductor housing is a handset case.

17. (New) The method as claimed in claim 10, wherein the ground conductor housing is a printed circuit board ground plane.

18. (New) The method as claimed in claim 10, further comprising the step of providing a matching network between the transceiver and the antenna feed.